CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2021-2022 Date: 10.02.2022

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Sample ID: : Cement (Birla Super 53 grade OPC)
Sample Supplied by: : AGENCY
Date of Manufacture: : January - 2022
Date of Testing 08.02.2022 to 10.02.2022

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	145 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	360 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.50%	-

Note:
1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2021-2022 Date 10.02.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division,BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Date of Testing 10.02.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= 5000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	227	4.5	4.5	95.5	95-100
10	2831	56.6	61.2	38.8	25-55
4.75	1652	33.0	94.2	5.8	0-10

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2021-2022 Date 10.02.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division,BBMP, Bangalore.
Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Date of Testing 10.02.2022
IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)
Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	201	1.34	1.34	98.66	95-100
20	8356	55.71	57.05	42.95	30-70
10	3004	20.03	77.07	22.93	10-35
4.75	2697	17.98	95.05	4.95	0-5

Note:
1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2021-2022 Date 10.02.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division,BBMP, Bangalore.
Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Date of Testing 10.02.2022
IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)
Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	74	7.40	7.40	92.6	90-100
2.36	118	11.80	19.20	80.8	75-100
1.18	176	17.60	36.80	63.2	55-90
600 Micron	229	22.90	59.70	40.3	35-59
300 Micron	163	16.30	76.00	24.0	8-30
150 Micron	167	16.70	92.70	7.3	0-10

Note:
1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2021-2022 Date 10.02.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division,BBMP, Bangalore.
Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Date of Testing 10.02.2022
Material : Sand(Plastering) Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	13.6	1.36	1.36	98.6	95-100
2.36	15	1.50	2.86	97.1	95-100
1.18	34	3.40	6.26	93.7	90-100
600 Micron	72	7.20	13.46	86.5	80-100
300 Micron	249	24.90	38.36	61.6	20-65
150 Micron	489	48.90	87.26	12.7	0-15

Note:
1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2021-2022 Date 10.02.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division,BBMP, Bangalore.
Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Date of Testing 10.02.2022
Material : Sand(Masonry) Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	15.4	1.54	1.54	98.5	90-100
1.18	32	3.20	4.74	95.3	70-100
600 Micron	78	7.80	12.54	87.5	40-100
300 Micron	260	26.00	38.54	61.5	5-70
150 Micron	479	47.90	86.44	13.6	0-15

Note:
1. The material is satisfied as per the requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2021-2022 Date : 10.02.2022

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Steel Dia/Length : 8mm,10mm," TMT"

Reference to BIS codes : IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test : 10.02.2022

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	8	0.395	513	603	1.18	16.5
2	TMT	10	0.617	524	627	1.20	19

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2021-2022 Date :10.02.2022

TEST REPORT ON PVC PIPE

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division,BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Sample Supplied by: :AGENCY

BIS Code: IS 4985:2000

Sample Identification: PVC pipe 225mm dia

Date of Testing 10.02.2022

Sl.No	Test	Test Result	Requirements as per IS 4985:2000
1	Nominal Outer Diameter (mm)	225	225 mm
2	Mean Outside Diameter (mm)	225.5	Min 225 mm Max 225.7 mm
3	Outside Diameter at Any Point (mm)	225.4 mm	Min 222.3 mm Max 227.7 mm

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2021-2022 10.02.2022

TEST REPORT ON PVC PIPE

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division,BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Sample Supplied by: :AGENCY

BIS Code: IS 4985:2000

Sample Identification: PVC pipe 110mm dia

Date of Testing 10.02.2022

Sl.No	Test	Test Result	Requirements as per IS 4985:2000
1	Nominal Outer Diameter (mm)	110	110 mm
2	Mean Outside Diameter (mm)	110.1	Min 110.0 mm Max 110.4 mm
3	Outside Diameter at Any Point (mm)	110.5 mm	Min 108.6 mm Max 111.4 mm

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2021-2022 Date:16.02.2022

TEST REPORT OF PHYSICAL REQUIREMENTS OF BRICKS

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division,BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore.

Reference to BIS codes : IS 1077 : 1992(RA 2011) Common Burnt Clay Building Bricks-Specification

IS 3495 (Part 1 to 3) : 1992(RA 2011)
Method of Tests Burnt Clay Building Bricks
Part 1:Determination of Compressive Strength, (Cl 4.2.3)
Part 2:Determination of Water Absorption,(Cl 4.1.3)
Part 3: Determination of Efflorescence, (Cl 4)

Date of test 10.02.2022 ot 16.02.2022

COMPRESSIVE STRENGTH

Sl.No.	Compressive strength of individual bricks (N/mm2)	Acceptability as per IS 1077:1992, Clause 7.1
1	5.1	The bricks shall have a minimum average compressive strength for various classes as given in Table 1 of IS 1077: 1992. The compressive strength of any individual bricks shall not fall below the minimum compressive strength specified for the corresponding class of brick by more than 15%.
2	5.6	
3	5.9	
4	5.7	
5	5.3	
Average of 5 bricks	**5.5**	

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

WATER ABSORPTION:

Sl.No.	Water Absorption(%)	Acceptability as per IS 1077:1992, Clause 7.2
1	10.5	The water Absorption of bricks shall not be more than 20% by weight upto class 12.5 and 15% by weight for higher classes.
2	11.3	
3	10.6	
4	10.4	
5	10.9	
Average of 5 bricks	10.7	

EFFLORESCENCE:

Sl.No.	Efflorescence	Acceptability as per IS 1077:1992, Clause 7.3
1	Moderate	The efflorescence shall not be more than 'moderate" upto class 12.5 and "slight" for higher classes.
2	Moderate	
3	Moderate	
4	Moderate	
5	Moderate	

DIMENSIONS AND TOLERANCES

Sl.No.	Dimensions obtained for 20 bricks(mm)		Acceptability as per IS 1077:1992, Clause 6.2(b)
1	Length	4626	4520 to 4680 mm
2	Width	2164	2160 to 2240 mm
3	Height	1391	1360 to 1440 mm

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2021-2022 Date: 24.02.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.02.2022	24.02.2022	8.069	354.2	15.74
2	17.02.2022	24.02.2022	8.013	368.9	16.40
3	17.02.2022	24.02.2022	8.125	375.2	16.68

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2021-2022 Date: 24.02.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.02.2022	24.02.2022	8.151	350.3	15.57
2	17.02.2022	24.02.2022	8.109	378.6	16.83
3	17.02.2022	24.02.2022	8.187	364.4	16.20

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2021-2022

Date: 24.02.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Agency	**: Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.02.2022	24.02.2022	8.192	369.4	16.42
2	17.02.2022	24.02.2022	8.174	377.7	16.79
3	17.02.2022	24.02.2022	8.146	353.1	15.69

Note:

1. The material is satisfied as per the requirements

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2021-2022 Date: 24.02.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.02.2022	24.02.2022	8.015	364.1	16.18
2	17.02.2022	24.02.2022	8.039	359.2	15.96
3	17.02.2022	24.02.2022	8.084	380.3	16.90

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2021-2022 Date: 17.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.02.2022	17.03.2022	8.142	502.3	22.32
2	17.02.2022	17.03.2022	8.103	518.5	23.04
3	17.02.2022	17.03.2022	8.179	529.6	23.54

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 0
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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2021-2022 Date: 17.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.02.2022	17.03.2022	8.017	494.3	21.97
2	17.02.2022	17.03.2022	8.064	506.7	22.52
3	17.02.2022	17.03.2022	8.089	515.8	22.92

Note:

1. The material is satisfied as per the requirements.

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Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.02.2022	17.03.2022	8.100	487.3	21.66
2	17.02.2022	17.03.2022	8.072	500.2	22.23
3	17.02.2022	17.03.2022	8.126	519.3	23.08

Note:

1. The material is satisfied as per the requirements.

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Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.02.2022	17.03.2022	8.110	510.3	22.68
2	17.02.2022	17.03.2022	8.137	506.7	22.52
3	17.02.2022	17.03.2022	8.169	498.1	22.14

Note:

1. The material is satisfied as per the requirements.

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